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(71) Applicant (for all designated States except US): **BRACCO IMAGING S.P.A.** [—/IT]; Via Egidio Folli 50, I-20134 Milan (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **TWEEDLE, Michael** [US/US]; 72 Library Place, Princeton, NJ 08540 (US). **FAN, Hong** [US/US]; 3 Barley Court, Plainsboro, NJ 08536 (US). **LATTUADA, Luciano** [IT/IT]; Via Pablo Neruda, 4/C, I-20060 Bussero (MI) (IT). **RAMA-LINGHAM, Kondareddiar** [US/US]; 46 Liberty Place, Dayton, NJ 08810 (US). **SWENSON, Rolf, E.** [US/US]; 35 Fieldston Road, Princeton, NJ 08540 (US).

(74) Agents: **RHOADS, Donald, L.** et al.; Kramer Levin Naf-talis & Frankel LLP, 919 Third Avenue, New York, NY 10022 (US).

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(54) Title: **NEW COMPOUNDS USEFUL AS METAL CHELATORS**

(57) Abstract: New compounds are provided that may be used to chelute a metal. The compound comprise polyazamacrocyclic compound with at least one phosphonic group substituted on at least one of the aza groups of the polyazamacrocyclic compound. Methods for preparing the compounds are also provided. Methods for preparing a diagnostic imaging agent using the compounds and methods for diagnostic imaging are further provided. Methods for preparing a therapeutic agent using the compounds and methods for therapy are further provided.



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